

## ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

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**Date/Time:** February 9, 2005

**Site Contact(s):** Dyan Foss  
**Phone:** (303) 994-0325

**Regulatory Contact:** Edd Kray  
**Phone:** (303) 994-3441

**Agency:** CDPHE

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**Purpose of Contact:** Disposition of Survey unit 6

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### Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and doses to the workers as low as reasonably achievable (ALARA). This contact record documents the activities that were conducted to prepare survey unit 6 for demolition. Survey unit 6 consists of the stairwell identified as room 139 and the basement floor area in front of the elevator.

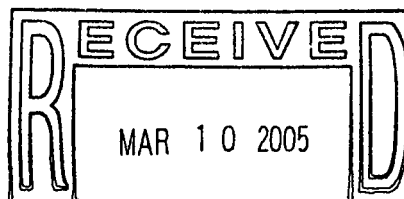
The preparation process for survey unit 6 was initiated May 25, 2004 when a package for in-process radiological surveys was prepared and executed. Once the surveys were complete, it was determined that the in process and final surveys could be combined, and the CDPHE representative concurred with this approach. The area was surveyed in accordance with the Radiological Pre-Demolition Survey Plan for Buildings 776/777. As part of the ALARA-based decontamination, concrete shaving and hotspot removals were performed on a few floor and wall surfaces.

In addition to the radiological hazards, the non-radiological hazards have also been addressed in survey unit 6. The following summarizes the non-radiological activities:

- There are no RCRA units associated with this survey unit.
- Chemicals and hazardous substances have been removed.
- Beryllium regulated and controlled areas have been closed. This area was not listed on the historical list of rooms with potential beryllium contamination. Baseline beryllium characterization and surveys following equipment removal found no removable beryllium contamination. Ten (10) additional samples were collected in the survey unit on horizontal surfaces from floor to ceiling. All samples were below the analytical reporting limit of 0.1 ug/100 cm<sup>2</sup>.
- Polychlorinated biphenyls (PCB) hazards and equipment have been removed.

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- Asbestos has been abated.

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction that would be gained through additional decontamination. The state project representative agrees that decontamination inside survey unit 6 has progressed to the point of reasonably achievable.

The stair steps in this survey unit have higher levels of contamination than the rest of the survey unit. Since the steps are needed for access, the stairs will remain in place until building decontamination and demolition preparation are complete. However, the stairs will be removed and packaged just prior to initiating building demolition while the building is intact.

In summary, ALARA-based decontamination has been completed, Survey unit 6 will be surveyed for removable contamination, and controls applied during demolition. This contact record will be placed in the demolition file for this survey unit.

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**Contact Record Prepared By:** Dyan Foss

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